

## I. AMENDMENTS

### **Amendments to the Specification**

Please amend the Specification as follows:

Please amend the third full paragraph on page 3, beginning on line 13 and ending on line 20 as follows:

However, the Raman amplification repeater that does not have EDFA has a problem described below. If a fiber cable fault occurs at a position close to the repeater, the amplifying medium is no longer available. This results in ~~lost~~ loss of ASE and means for sending the response signal to the end station by modulation of ASE. As a result, the monitor control is lost after the fiber fault occurs.

Please amend the second full paragraph on page 9, beginning on line 11 and ending on line 17 as follows:

However, if the repeater 200 employs EDFA as an amplifying medium, the repeater 200 will automatically controls its output at a constant level. Thus, the gain of the EDFA in the repeater is spontaneously increased if no main signal is received. In this case, ASE inherent in the amplifying medium takes place, so that modulation is now available.

Please amend the paragraph beginning on page 16, line 23 and ending on page 17, line 6 as follows:

The pump lights of the wavelength 1.45  $\mu\text{m}$  emitted by the laser diodes LD1 and LD2 take a route indicated by a dotted line in the order of a WDM coupler Cw2b, photocoupler C4b-2, WDM coupler Cw2b, isolator ISO2, and photocoupler C2b, and is then incident to the down line L2. Thus, the pumping lights travel down the down line L2 together with the main signal in the same direction. At that time, response information is modulated onto the exciting light d passing through the WDM coupler Cw2b and the photocoupler C4a-2, so that the response signal is created and propagated to the repeater ~~20b-2~~ 20a-2.

Please amend the paragraph beginning on page 17, line 27 and ending on page 18, line 9 as follows:

The pump lights of 1.45  $\mu\text{m}$  respectively emitted by the laser diodes LD1 and LD2 pass through the photocoupler C3a and the WDM coupler Cw2a, and is incident to the down line L2

so that backward Raman amplification takes place with respect to the signal light. The pump light d sends the response signal in the order of the WDM coupler Cw2a, photocoupler C4a-2, WDM coupler Csw2a, isolator ISO2 and the photocoupler C2a. The above sequence is repeated so that the response signal is repeated by each upstream repeater toward the end station 10.